

# FILE NOTATIONS

Entered in MID File  
Location Map Pinned  
Card Indexed

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Checked by Chief  
Approval Letter  
Disapproval Letter

*[Signature]*  
8-23-73

## COMPLETION DATA:

Date Well Completed .....

DW..... WW..... TA.....

GW..... OS..... PA.....

Location Inspected .....

Bond released

State or Fee Land .....

## LOGS FILED

Driller's Log.....

Electric Logs (No.) .....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Piute Knoll

9. Well No.

10. Field and Pool, or Wildcat

Piute Knoll

11. Sec., T., R., M., or Blk.  
and Survey or Area

NE SW 25-33S-25E

12. County or Parrish 13. State

San Juan

Utah

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil  
Well ☐Gas  
Well ☒

Other

Single  
Zone ☐Multiple  
Zone ☐

2. Name of Operator

Mountain Fuel Supply Company

3. Address of Operator

P. O. Box 1129, Rock Springs, Wyoming 82901

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

1966' FWL, 1986' FSL C NE SW

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

12 miles east of Montecello, Utah.

15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drig. line, if any)

646'

16. No. of acres in lease

320

17. No. of acres assigned  
to this well18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

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19. Proposed depth

6100' /

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

GR 6891'

22. Approx. date work will start\*

August 23, 1973

23.

## PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
13-3/4"	10-3/4"	32.75#	450'	370 sacks
9-7/8"	8-5/8"	32#	2700'	To be determined
7-7/8"	4-1/2"	11.6#	6100'	To be determined

We would like to drill the subject well to an estimated depth of 6100', anticipated formation tops are as follows: Dakota at surface, Morrison at 300', Summerville at 765', Curtis at 980', Entrada at 1075', Carmel at 1230', Navajo at 1255', Kayenta at 1555', Wingate at 1765', Chinle at 2005', Shinarump at 2540', Moenkopi at 2620', Cutler at 2660', Honaker Trail at 4400', Paradox at 4930', Upper Ismay at 5480', Lower Ismay at 5780', "B" Marker at 5890', Desert Creek at 5960', Salt at 6010'.

Mud will be adequate to contain formation fluids and blow out preventers will be checked daily.

*Verbal Approval by C.A.P. - 8-22-73*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

*B. N. Cray*

Title

Vice President

Gas Supply Operations

Date

August 22, 1973

(This space for Federal or State office use)

Permit No.

13-037-30125

Approval Date

Approved by

Title

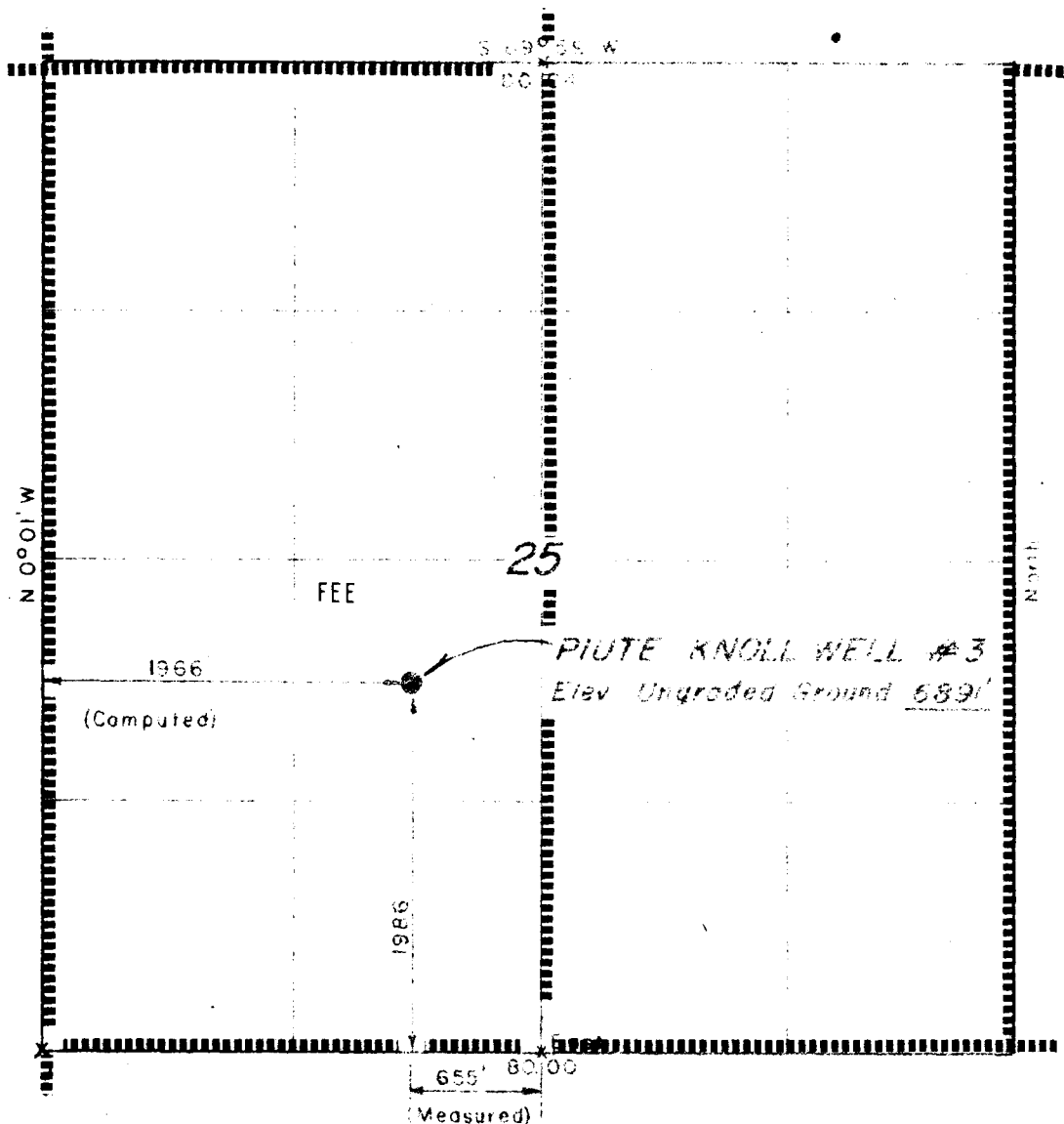
Date

Conditions of approval, if any:

T33S, R25E, S.L.B. & M.

PROJECT  
MOUNTAIN FUEL SUPPLY COMPANY

Well location, PIUTE KNOLL WELL #3,  
located as shown in the NE 1/4  
SW 1/4 Section 25, T33S, R25E,  
S.L.B. & M San Juan County, Utah



UTAH ENGINEERING & LAND SURVEYING  
P.O. BOX 64 - 100 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

1" = 1000'  
DATE 13 AUGUST, 1973  
D.H. & R.R. REFERENCES GLO Plat  
HDT Mountain Fuel M-11237

WORK ORDER Nº 21524

R. G. MYERS

## INTEROFFICE COMMUNICATION

FROM R. G. Myers Rock Springs, Wyoming  
CITY STATE  
TO B. W. Croft August 15, 1973  
DATE

SUBJECT Tentative Plan to Drill  
Piute Knoll Well No. 3  
San Juan County, Utah

Attached for your information and files is a tentative plan to drill the above-captioned well. This plan was written in accordance with the Geologic Prognosis dated July 26, 1973.

RGM/gm

Attachment

cc: J. T. Simon  
L. A. Hale (6)  
J. E. Adney  
Geology (2)  
D. E. Dallas (4)  
C. F. Rosene  
B. M. Steigleder  
E. A. Farmer  
U.S.G.S.  
State  
Paul Zubatch  
P. E. Files (4)

From: T. M. Colson

Rock Springs, Wyoming

To: R. G. Myers

August 3, 1973

Tentative Plan to Drill  
Piute Knoll Well No. 3  
San Juan County, Utah

This well will be drilled to total depth by the \_\_\_\_\_ Drilling Company. One work order has been originated for the drilling and completion of the well, namely 21524, Drill Piute Knoll Well No. 3. This well is located in San Juan County, Utah. The well will be drilled to a total depth of 6100 feet to test the Paradox formation.

1. Drill 13-3/4-inch hole to approximately 470 feet KBM.
2. Run and cement approximately 450 feet of 10-3/4-inch O.D., 32.75-pound, H-40, 8 round thread, ST&C casing. The casing will be cemented with 370 sacks of regular Type "G" cement which represents theoretical requirements plus 100 percent excess cement for 10-3/4-inch O.D. casing in 13-3/4-inch hole with cement returned to surface. Cement will be treated with 1692 pounds of Dowell D43A. Plan on leaving a 20 foot cement plug in the bottom of the casing after displacement is completed. Floating equipment will consist of a Baker guide shoe. The top and bottom of all casing collars and the guide shoe will be spot welded in the field. The bottom of the surface casing should be landed in such a manner that the top of the 10-inch 3000 psi casing flange will be at ground level. A cellar three feet deep will be required. Prior to cementing, circulate 75 barrels of mud. Capacity of the 10-3/4-inch O.D. casing is 45 barrels.
3. After a WOC time of 6 hours, remove landing joint. Install a NSCo. Type "B" 10-inch 3000 psi regular duty casing flange tapped for 10-3/4-inch O.D., 8 round thread casing. Install a 2-inch extra heavy nipple, 6-inches long, and a WKM Figure B138 (2000 psi WOG, 4000 psi test) valve on one side of the casing flange and a 2-inch extra heavy bull plug in the opposite side. Install

adequate preventers. After a WOC time of 12 hours, pressure test surface casing and all preventer rams to 1000 psi for 15 minutes, using rig pump and drilling mud. The burst pressure rating for the 10-3/4-inch O.D. casing is 1820 psi.

4. Drill 9-7/8-inch hole to tentative depth of 2700 feet. A mud desander and desilter will be used from under the surface casing to total depth to remove all undesirable solids from the mud system and to keep the mud weight to a minimum. A fully manned logging unit will be used from bottom of surface casing to total depth. The logging unit will be responsible for catching 10 foot samples to total depth. The mud system will consist of properties adequate to allow the running of drill stem tests. The mud weight should be held as low as practical. Six drill stem tests are anticipated starting at a depth of approximately 4400 feet. Anticipated tops are as follows:

	Approximate Depth (Feet KBM)
Dakota	Surface
Morrison	300
Summerville	765
Curtis	980
Entrada	1075
Carmel	1230
Navajo	1255
Kayenta	1555
Wingate	1765
Chinle	2005
Shinarump	2540
Moenkopi	2620
Cutler	2660
Honaker Trail	4400
Paradox	4930
Upper Ismay	5480
Lower Ismay	5780
"B" Marker	5890
Desert Creek	5960
Salt	6010
Total Depth	6100

5. After reaching a depth of 2700 feet and if serious lost circulation has been encountered, proceed to Step 6. If lost circulation has not been a serious problem reduce the hole size to 7-7/8-inch and proceed to Step 11.

Note: During the drilling of Piute Knoll No. 1, which is one mile west of Piute Knoll No. 3, several zones of lost circulation were encountered between 1338 feet and 2242 feet. 2000 barrels mud were lost in Piute Knoll Well No. 1. No mud was lost below 2242 feet.

6. Run a dual induction laterolog (2-inch linear, 5-inch logarithmic) and integrated borehole compensated gamma ray sonic-caliper log from surface pipe to total depth.
7. Go in hole to total depth with 9-7/8-inch bit and drill pipe to condition mud and hole prior to running 8-5/8-inch O.D. casing. Pull bit laying down drill collars. The mud weight should not exceed 9.5 ppg prior to running the 8-5/8-inch O.D. casing.
8. Rams will not be changed in the ram type preventer since the Hydril preventer will be on the wellhead. Run 8-5/8-inch O.D. casing as outlined in Item No. I, General Information. Cement casing with sufficient regular Type "G" cement in order to bring the cement level outside the 8-5/8-inch O.D. casing approximately 1000 feet above the bottom of the casing or above any potential producing zones. A Baker 8-5/8-inch O.D. Type "G" float collar and 8-5/8-inch guide shoe will be run as floating equipment. The float shoe, shoe joint, float collar, and the next four joints of casing will be locked together in the field at the time the casing is being run using Halliburton thread locking compound. Touch bottom and pick the casing up one foot. Circulate 200 barrels of drilling mud prior to beginning cementing operations. Capacity of the 8-5/8-inch O.D. casing is approximately 164 barrels. Rotate casing while circulating, mixing, and displacing cement. Displace cement with mud.

9. Immediately after cementing operations are completed, land the 8-5/8-inch O.D. casing with full weight of casing on slips and record indicator weight. Cut the 8-5/8-inch O.D. casing off and install a 10-inch 3000 psi by 10-inch 3000 psi casing spool with 2-inch WKM 3000 psi wing valves. Pressure test seals to 1000 psi for 5 minutes. The collapse pressure for 8-5/8-inch O.D., 32-pound, K-55 casing is 2740 psi. Install a 10-inch 3000 psi preventer with blind rams on bottom and 4-1/2-inch pipe rams on top, a Hydril preventer, and finish nipping up.
10. After a WOC time of 24 hours, pressure test casing and preventer to 1000 psi for 15 minutes using mud and rig pump. The internal pressure rating for new 8-5/8-inch O.D., 32-pound, K-55 casing is 3930 psi.
11. Go in hole with 7-7/8-inch bit and adequate drill collars. Drill ahead to total depth of 6100 feet or to such other depth as may be recommended by the Geological Department.
12. Run a dual induction laterolog (with 2-inch linear, 5-inch logarithmic) integrated sonic gamma ray caliper log from the bottom of the 8-5/8-inch O.D. casing to total depth drilled, and a sidewall neutron log from 4500 feet to total depth.
13. Assuming commercial quantities of gas and/or oil are present, go into hole with a 7-7/8-inch bit and condition hole to run 4-1/2-inch O.D. casing. Pull and lay down drill pipe and drill collars.
14. Run 4-1/2-inch O.D., 11.6-pound, K-55, 8 round thread, ST&C casing as outlined in Item No. I, General Information. Run the casing to bottom and pick up one foot. A Larkin filrite float shoe and float collar will be used as floating



equipment. The casing will be cemented with 50-50 Pozmix cement. Cement requirements will be the actual volume as calculated from the caliper log plus 20% excess. Circulate 150 barrels mud prior to beginning cementing operations. Capacity of the 4-1/2-inch O.D. casing is 94 barrels. Rotate casing while circulating, mixing, and displacing cement. Displace cement with water.

15. Immediately after cementing operations are completed, land the 4-1/2-inch O.D. casing with full indicator weight on slips. Cut off 4-1/2-inch O.D. casing and install a 6-inch 3000 psi by 10-inch 3000 psi tubing spool. Pressure test seals to 2000 psi for 5 minutes. The collapse pressure for 4-1/2-inch O.D., 11.6-pound, K-55 casing is 4540 psi. Install a steel plate over tubing spool and release rig.
16. Rig up a contract workover rig. Install a 6-inch 5000 psi hydraulically operated double gate preventer with blind rams on bottom and 2-3/8-inch tubing rams on top.
17. Rig up Dresser Atlas and run a cement bond and PFC log from plugged back depth to the top of the cement behind the 4-1/2-inch O.D. casing.
18. Run 2-3/8-inch O.D. tubing. Using Halliburton pump truck, pressure test casing and pipe rams to 3000 psi for 15 minutes. The minimum internal yield pressure for 4-1/2-inch O.D., 11.6-pound, K-55 is 5350 psi and the wellhead is 3000 psi working pressure, 6000 psi test. Land tubing on a H-1 hanger. Pressure test blind rams to 3000 psi for 15 minutes. Pull tubing, standing same in derrick.
19. After the above items have been evaluated, a tentative plan to complete the well will be finalized.

GENERAL INFORMATION

I. The following tubular goods have been assigned to the well.

<u>Description</u>	<u>Approximate Gross Measurement (feet)</u>	<u>Availability</u>
<u>Surface Casing</u>		
10-3/4-inch O.D., 48-pound, H-40, 8 round thread, ST&C casing	480	To be purchased
<u>Intermediate Casing</u>		
8-5/8-inch O.D., 32-pound, K-55, Hydril flush joint casing	2,800	To be purchased
<u>Production Casing</u>		
4-1/2-inch O.D., 11.6-pound, K-55, 8 round thread, ST&C casing	6,400	To be purchased
<u>Production Tubing</u>		
2-3/8-inch O.D., 4.6-pound, J-55, seal lock tubing	6,400	To be purchased

II. The salt content of the mud will be checked prior to cementing the 4-1/2-inch O.D. casing to determine if a salt saturated cement will be required.

III. All ram type preventers will have hand wheels installed and operative at the time the preventers are installed.

Dale Dallas Mtn. Fuel (No #2 fuel)  
Pinto Knoll #3

1966' FWL 1986 FSL

NE SW sec 25 T33S R25E  
San Juan County, Utah

8/22/73

\* Have verbal approval to  
Commence road & yard work and  
move in reg within next few  
days - NID + Plat will  
be forthcoming

PWB

AUGUST 23, 1973

Mountain Fuel Supply Company  
Box 1129  
Rock Springs, Wyoming 82901

Re: Well No. Piute Knoll #3  
Sec. 25, T. 33 S, R. 25 E,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-037-30125.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1.</b> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> Fee	
<b>2. NAME OF OPERATOR</b> Mountain Fuel Supply Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> -	
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 1129, Rock Springs, Wyoming 82901		<b>7. UNIT AGREEMENT NAME</b> -	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1966' FWL, 1986' FSL NE SW		<b>8. FARM OR LEASE NAME</b> Piute Knoll	
<b>14. PERMIT NO.</b> 43-037-30125		<b>9. WELL NO.</b> 3	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) GR 6891' 11 6906.50		<b>10. FIELD AND POOL, OR WILDCAT</b> Piute Knoll	
		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> NE SW 25-33S-25E	
		<b>12. COUNTY OR PARISH</b> San Juan	<b>13. STATE</b> Utah

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐FULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Supplementary history ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 500', going in with hole opener.

Spudded 8/26/73 at 9:00 AM.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Vice President

Gas Supply Operations

DATE

August 29, 1973

(This space for Federal or State/office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

4

PI

September 25, 1973

MEMO FOR FILING

Re: Mountain Fuel Supply Company  
Piute Knoll #3  
Sec. 25, T. 33 S, R. 25 E,  
San Juan County, Utah

On September 20, 1973, the above referred to well site was visited.

A safety inspection was made of the Loffland Brothers Drilling Company's rig #66 and the overall check was considered good. The only recommendations made were that no smoking signs be installed on fuel tanks and that a basket stretcher be on location.

CLEON B. FEIGHT  
DIRECTOR

CBF:ck

cc: U.S. Geological Survey

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME -
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1966' FWL, 1986' FSL NE SW		8. FARM OR LEASE NAME Piute Knoll
14. PERMIT NO. 43-037-30125		9. WELL NO. 3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6906.50' GR 6891'		10. FIELD AND POOL, OR WILDCAT Piute Knoll
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SW 25-33S-25E.,
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐Supplementary history ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 3669', drilling.

Ran 10-3/4" surface casing.

18. I hereby certify that the foregoing is true and correct

SIGNED

*BW Craft*

TITLE

Vice President,  
Gas Supply Operations

DATE

Oct. 9, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME -
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		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA NE SW 25 33S-25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐Supplementary history ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 5031', drilling.

18. I hereby certify that the foregoing is true and correct

SIGNED

*BW Croft*

TITLE

Vice President,  
Gas Supply Operations

DATE

Oct. 16, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

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		12. COUNTY OR PARISH San Juan
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Supplementary history</u> <input checked="" type="checkbox"/>	
(Other)		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 5690', made DST #3.

DST #1: 5141-5204', Paradox, IO  $\frac{1}{2}$  hr, ISI 1 hr, FO 1 hr, FSI  $1\frac{1}{2}$  hrs, opened weak decreased to very weak, no gas, reopened dead, recovered 62' mud, IHP 2430, IOFP's 27-27, ISIP 54, FOFP's 27-27, FSIP 40, FHP 2430.

DST #2: 5522-5544', Paradox, IO  $\frac{1}{2}$  hr, ISI 1 hr, FO  $1\frac{1}{2}$  hrs, FSI 3 hrs, opened weak on both openings, no gas, recovered 10' mud, IHP 2640, IOFP's 53-53, ISIP 106, FOFP's 53-53, FSIP 133, FHP 2640.

DST #3: 5662-5690', Ismay, IO  $\frac{1}{2}$  hr, ISI 1 hr, FO 2 hrs, FSI  $3\frac{3}{4}$  hrs, opened good, no gas, reopened strong, gas immediately not enough to gauge, recovered 3' mud. IHP 2641, IOFP's 54-51, ISIP 753, FOFP's 27-13, FSIP 108, FHP 2642.

## 18. I hereby certify that the foregoing is true and correct

SIGNED

*BW Craft*

TITLE

Vice President,  
Gas Supply Operations

DATE

Oct. 23, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

4

Dick Bates - Mtn. 7 vel

10/29/73

Pinto Y-roll #3

(7) 10 st/ marker

75% or 35 out

1124 - Entudo

1337 - Narajo

1632 - Narajo

1840 - Mengot

Chenli - 2030

2575 - Heraring

2670 - Hockadi } Cemented behind 8 5/8

2700 - Culla

4410 - Honika Tail → (3) 100' across top of Panna & Panna

4936 - Pando → (2) 100' across Long

5536 - Loway → (1) 100' fully T.D. up.

6010 - Deerlick

6040 - Salt

6073 - T.D.

salt base mud

(6) 100' lower of surface  
Paper - Isolate  
Entudo

(5) 100' across top of Narajo

→ Isolate

(4) 100' across strip

Surf Pipe 478'  
8702 - Protuberance  
8 5/8"

Cut at  
8000'

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME —
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME —
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1966' FWL, 1986' FSL NE SW		8. FARM OR LEASE NAME Piute Knoll
14. PERMIT NO. 43-037-30125		9. WELL NO. 3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6906.50' GR 6891'		10. FIELD AND POOL, OR WILDCAT Piute Knoll
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SW 25-33S-25E., SLB&M
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON\*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT\*

☐

(Other) Supplementary history

☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 6073', preparing to abandon.

DST #4: 5740-5800', Ismay, IO  $\frac{1}{2}$  hr, ISI 1-3/4 hrs, FO  $1\frac{1}{2}$  hrs, FSI 3-3/4 hrs, opened with medium blow on both openings, no gas, recovered 10' mud.

IHP 2776, IOFP's 53-53, ISIP 505, FOFP's 53-53, FSIP 2063, FHP 2786.

DST #5: 5868-5933', Lower Ismay, IO  $\frac{1}{2}$  hr, ISI  $1\frac{1}{2}$  hrs, FO  $2\frac{1}{2}$  hrs, FSI  $4\frac{1}{2}$  hrs, opened very weak, reopened medium, no gas, recovered 180' very slightly gas cut mud.

IHP 2748, IOFP's 27-54, ISIP 243, FOFP's 108-108, FSIP 243, FHP 2748.

DST #6: 6024-6073', Desert Creek, IO  $\frac{1}{2}$  hr, ISI  $1\frac{1}{2}$  hrs, FO  $1\frac{1}{2}$  hrs, FSI 3 hrs, opened very weak on both openings, dead in 10 minutes of 2nd open, recovered 150' gas cut mud. IHP 2880, IOFP's 81-81, ISIP 135, FOFP's 108-108, FSIP 135, FHP 2880.

## 18. I hereby certify that the foregoing is true and correct

SIGNED

BW Croft

TITLE

Vice President,  
Gas Supply Operations

DATE

Oct. 31, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME —
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME —
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1966' FWL, 1986' FSL NE SW		8. FARM OR LEASE NAME Piute Knoll
14. PERMIT NO. 43-037-30125		9. WELL NO. 3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6906.50' GR 6891'		10. FIELD AND POOL, OR WILDCAT Piute Knoll
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SW 25-33S-25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Supplementary history</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

TD 6073', rig released 11-2-73.

Verbal approval was granted on 10-29-73 to plug and abandon the subject well during a telephone conversation between Mr. Burchell with the Utah Oil and Gas Conservation Commission and Mr. Bates with Mt. Fuel by laying the following plugs:

Plug No. 1: 5950-5810', 40 sacks  
 Plug No. 2: 5624-5524', 35 sacks  
 Plug No. 3: 4475-4375', 35 sacks  
 Plug No. 4: 1160-1060', 50 sacks  
 Plug No. 5: 503- 403', 50 sacks  
 Plug No. 6: 10 sacks into top of surface pipe.

18. I hereby certify that the foregoing is true and correct

SIGNED

BW Goff

TITLE

Vice President,  
Gas Supply Operations

DATE Nov. 20, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

## OIL &amp; GAS CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Piute Knoll

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Piute Knoll

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NE SW 25-33S-25E

12. COUNTY OR PARISH  
San Juan13. STATE  
Utah1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Mountain Fuel Supply Company

3. ADDRESS OF OPERATOR

P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1966' FWL, 1986' FSL NE SW

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

43-037-30125

15. DATE SPUDDED 8-26-73 16. DATE T.D. REACHED 10-27-73 17. DATE COMPL. (Ready to prod.) 11-2-73 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* KB 6906.50' GR 6891' 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD &amp; TVD 6073 21. PLUG, BACK T.D., MD &amp; TVD 0 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS 0-6073' CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

D &amp; A

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Focused, Sidewall Neutron-GR, BHC Acoustilog

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	32.75	477.06	13-3/4	370	0
8-5/8	32.00	2725.00	9-7/8	210	1110'
			7-7/8		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION D &amp; A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented while testing

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs as above, Well Completion and Well Lithology to be sent at a later date.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED BW CoftTITLE Vice President,  
Gas Supply OperationsDATE Nov. 20, 1973

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Log tops:		
				Dakota	0'	
				Summerville	830	
				Curtis	1040	
				Entrada	1124	
				Carmel	1290	
				Navajo	1337	
				Kayenta	1632	
				Wingate	1820	
				Chinle	2037	
				Shinarump	2530	
				Moenkopi	2620	
				Cutler	2635	
				Honaker Trail	4425	
				Paradox	4968	
				Upper Ismay	5574	
				Lower Ismay	5810	
				"B" Marker	5928	
				Desert Creek	6000	
				Salt	6054	

NOV 21 1975

PI

12

COMPLETION REPORT

Well: Piute Knoll Well #3 Date: December 26, 1973  
Area: Paradox Basin Lease No: Fee U-9120, U-9120-A

☐ New Field Wildcat ☒ Development Well ☐ Shallower Pool Test  
☐ New Pool Wildcat ☐ Extension ☐ Deeper Pool Test

Location: 1966 feet from West line, 1986 feet from South line  
NE  $\frac{1}{4}$  SW  $\frac{1}{4}$

Section 25, Township 33 South, Range 25 East

County: San Juan State: Utah

Operator: Mountain Fuel Supply Company

Elevation: KB 6906.5 Gr 6891 Total Depth: Driller 6073 Log 6084

Drilling Commenced: August 26, 1973 Drilling Completed: October 28, 1973

Rig Released: November 2, 1973 Well Completed: November 2, 1973

Sample Tops: (unadjusted)

Summerville	830'	Wingate	Paradox
Curtis	1045'	Chinle	2065' Upper Ismay
Entrada	1130'	Shinarump	2596' Lower Ismay
Carmel	1272'	Moenkopi	2660' "B" Marker
Navajo	1636'	Cutler	2700' Desert Creek
Kayenta	1636'	Honaker Trail	4410' Salt

Sample Cuttings:

Log Tops:

4956'	Summerville	820'
5536'	Curtis	1040'
5796'	Entrada	1124'
5920'	Carmel	1290'
6018'	Navajo	1337'
6048'	Kayenta	1632'
	Wingate	1820'
	Chinle	2037'
	Shinarump	2530'
	Moenkopi	2620'
	Cutler	2635'
	Honaker Trail	4425'
	Paradox	4968'
	Upper Ismay	5574'
	Lower Ismay	5810'
	"B" Marker	5928'
	Desert Creek	6000'
	Salt	6054'

Status: Plugged and Abandoned

Producing Formation: None

Perforations: None

Stimulation: None

Production: None

Plug Back Depth:

Plugs: 5950-5810 w/40 sacks; 5624-5524 w/35 sacks; 4475-4375 w/35 sacks; 1160-1060 w/50 sacks; 503-403 w/50 sacks; 10 sacks in surface pipe

Hole Size: 13-3/4" to 500', 9-7/8" from 500' to 2711'; 7-7/8" from 2711' to 6073'

Casing/Tubing: 10-3/4" surface to 477.06' w/370 sacks; 8-5/8" to 2711.82' w/210 sacks

Logging - Mud: 2" and 5" - Rocky Mountain Geo-Engineering (John Clutter)

Mechanical: Dresser Atlas - Dual Induction Focused Log, surface to T.D.;  
Acoustilog, surface to T.D.; BHC Sidewall Neutron, 4500' to T.D.

Contractor: Loffland Brothers

Completion Report Prepared by: R. L. Lloyd

Remarks:

COMPLETION REPORT (cont.)

Page 2

Well: Piute Knoll Well #3Area: Paradox Basin

Cored Intervals (recovery): None

## Tabulation of Drill Stem Tests:

<u>No.</u>	<u>Interval</u>	<u>IHP</u>	<u>IFP (min.)</u>	<u>ISIP (min.)</u>	<u>FFP (min.)</u>	<u>FSIP (min.)</u>	<u>FHP</u>	<u>Samples Caught</u>	<u>Remarks</u>
1	5141-5204	2453	24-30 (30)	66 (60)	39-39 (60)	54 (90)	2453		NGTS, Rec. 62' Mud
2	5522-5544	2613	31-25 (30)	106 (60)	25-25 (90)	125 (180)	2613		NGTS, Rec. 10' Mud
3	5662-5690	2684	55-86 (29)	790 (60)	30-22 (120)	110 (226)	2684		NETG, Rec. 3' Mud
4	5740-5800	2753	33-31 (30)	507 (105)	31-33 (90)	2041 (225)	2772		NGTS, Rec. 10' Mud, FHP from bottom chart
5	5868-5933	2798	28-72 (30)	268 (90)	151-105 (150)	247 (270)	2777		NGTS, Rec. 180' V Sli. GCM
6	6024-6073	2891	80-88 (30)	134 (90)	96-104 (90)	130 (180)	2867		NGTS, Rec. 150' V.Sli. GCM